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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,020	07/09/2003	Daniel J. Mattson	285/536	1120
757	7590	06/10/2005	EXAMINER	
BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, IL 60610			GIBSON, RANDY W	
ART UNIT		PAPER NUMBER		
		2841		

DATE MAILED: 06/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

SIN  
JUL

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/616,020	MATTSON ET AL.
	Examiner	Art Unit
	Randy W. Gibson	2841

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) Responsive to communication(s) filed on \_\_\_\_\_.
- 2a) This action is **FINAL**.                            2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) Claim(s) 1-68 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) 57-68 is/are allowed.
- 6) Claim(s) 1-7,9,11-20,22-26,28-35,37-43,45-48,53 and 54 is/are rejected.
- 7) Claim(s) 8,10,21,27,36,44,49-52,55 and 56 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 09 July 2003 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Objections***

1. Claims 4, 5, 18, 26, 34, and 43 are objected to because of the following informalities: the term "strain relief" is not adequately defined or described in the specification. Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 4, 5, 6, 7, 12, 14, 15, 16, 18, 19, 22, 24, 26, and 28 are rejected under 35 U.S.C. 102(b) as being anticipated by Ibanez et al (US # 4,560,016).

4. Claims 1, 17, 18, 23, 24, 26, 28, 29, 30, 38, 39, 46, 47, and 48 are rejected under 35 U.S.C. 102(b) as being anticipated by Maeda et al (US # 6,353,394).

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claims 2, 3, 9, 11, 13, 18, 19, 20, 23, 24, 25, 29, 30-34, 35, 37, 39-43, 45-48, 53, 54 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ibanez et al (US # 4,560,016) in view of Noel et al (US # 4,781,056) and Maeda et al (US # 6353,394). Ibanez et al discloses the claimed invention except the mat is made from hard rubber instead of silicone foam. However, Noel et al teach that silicone foam is known substitute for hard rubber in an optical weighing device depending on the maximum load that the mat is designed for (Col. 4, lines 34-47), and would have been an obvious modification to the mat of Ibanez et al to increase the sensitivity of the mat to smaller loads.

As for the limitation placing the mat in a seat, Made et al shows that it is known to use optical strain sensors in an automotive seat and would have been an obvious modification to Ibanez et al based on its art recognized suitability for its intended use.

Ibanez et al also does not specify that his light detector is a linear array sensor, but these types of sensors are known, and it would have been obvious to use a known light sensor motivated by its art recognized suitability for its intended use.

### ***Conclusion***

7. Claims 8, 10, 21, 27, 36, 44, 49-52, 55 and 56 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in

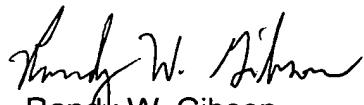
Art Unit: 2841

independent form including all of the limitations of the base claim and any intervening claims. Claims 57-68 are allowable over the art of record.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Randy W. Gibson whose telephone number is (571) 272-2103. The examiner can normally be reached on Mon-Fri., 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Randy W. Gibson  
Primary Examiner  
Art Unit 2841